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***** Welcome to STN International *****

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDELINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPLUS enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDELINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:22:16 ON 25 FEB 2008

=> file capuls

'CAPULS' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'HOME'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> trinkle j/au

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPULS' ENTERED AT 15:22:42 ON 25 FEB 2008

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 25 Feb 2008 VOL 148 ISS 9

FILE LAST UPDATED: 24 Feb 2008 (20080224/ED)

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<http://www.cas.org/infopolicy.html>

=> e trinkle j/au

E1	1	TRINKLE ELIZABETH A/AU
E2	3	TRINKLE ERIC J/AU
E3	0 -->	TRINKLE J/AU
E4	1	TRINKLE J A/AU
E5	1	TRINKLE J C/AU

```

E6          6      TRINKLE J KENT/AU
E7          8      TRINKLE JAMES R/AU
E8          1      TRINKLE JOHN L/AU
E9          3      TRINKLE KRISTINA L/AU
E10         1      TRINKLE L S/AU
E11         1      TRINKLE LAURA A/AU
E12         2      TRINKLE LINDA/AU

```

=> s e4-e7

```

      1 "TRINKLE J A"/AU
      1 "TRINKLE J C"/AU
      6 "TRINKLE J KENT"/AU
      8 "TRINKLE JAMES R"/AU
L1      16 ("TRINKLE J A"/AU OR "TRINKLE J C"/AU OR "TRINKLE J KENT"/AU OR
      "TRINKLE JAMES R"/AU)

```

=> e hwang ki oh/au

```

E1          1      HWANG KI LNAM/AU
E2          1      HWANG KI NYUN/AU
E3          17 --> HWANG KI OH/AU
E4          1      HWANG KI OK/AU
E5          3      HWANG KI SEOK/AU
E6          8      HWANG KI SOO/AU
E7          4      HWANG KI SUNG/AU
E8          4      HWANG KI SUP/AU
E9          3      HWANG KI TAE/AU
E10         1      HWANG KI UN/AU
E11         1      HWANG KI UNG/AU
E12         8      HWANG KI WOON/AU

```

=> s e3

```

L2          17 "HWANG KI OH"/AU

```

=> e fan weiyu/au

```

E1          8      FAN WEIXUN/AU
E2          2      FAN WEIYA/AU
E3          49 --> FAN WEIYU/AU
E4          1      FAN WEIYUAN/AU
E5          2      FAN WEIYUN/AU
E6          2      FAN WEIZE/AU
E7          1      FAN WEIZENG/AU
E8          2      FAN WEIZHEN/AU
E9          8      FAN WEIZHENG/AU
E10         1      FAN WEIZHONG/AU
E11         17     FAN WEN/AU
E12         3      FAN WEN BIAO/AU

```

=> s e1-e5

```

      8 "FAN WEIXUN"/AU
      2 "FAN WEIYA"/AU
     49 "FAN WEIYU"/AU
      1 "FAN WEIYUAN"/AU
      2 "FAN WEIYUN"/AU
L3      62 ("FAN WEIXUN"/AU OR "FAN WEIYA"/AU OR "FAN WEIYU"/AU OR "FAN
      WEIYUAN"/AU OR "FAN WEIYUN"/AU)

```

=> d his

FILE 'CAPLUS' ENTERED AT 15:22:42 ON 25 FEB 2008

E TRINKLE J/AU
L1 16 S E4-E7
E HWANG KI OH/AU
L2 17 S E3
E FAN WEIYU/AU
L3 62 S E1-E5

=> s 11 or 12 or 13
L4 86 L1 OR L2 OR L3

=> 14 and chitosan
30653 CHITOSAN
1230 CHITOSANS
30711 CHITOSAN
(CHITOSAN OR CHITOSANS)
L5 2 L4 AND CHITOSAN

=> d 15 1-2 ibib abs

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:836761 CAPLUS
DOCUMENT NUMBER: 139:328325
TITLE: Chitosan production from chitin-containing
materials
INVENTOR(S): Trinkle, James R.; Fan, Weiyu;
Hwang, Ki-oh
PATENT ASSIGNEE(S): Cargill, Inc., USA
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086281	A2	20031023	WO 2003-US10560	20030402
WO 2003086281	A3	20040219		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2481006	A1	20031023	CA 2003-2481006	20030402
AU 2003221828	A1	20031027	AU 2003-221828	20030402
BR 2003003666	A	20040727	BR 2003-3666	20030402
EP 1497335	A2	20050119	EP 2003-718228	20030402
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
US 2005215774	A1	20050929	US 2004-509570	20040929
PRIORITY APPLN. INFO.:			US 2002-369594P	P 20020402
			WO 2003-US10560	W 20030402

AB The invention provides a method of producing chitosan using pressures greater than 0 PSIG. The invention also provides fungal

chitosan comps. A dry matter of Aspergillus niger mycelium was mixed with an aqueous solution of NaOH and the mixture was heated to 110° to obtain chitosan.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:693384 CAPLUS

DOCUMENT NUMBER: 135:243979

TITLE: Chitosan and preparing chitosan
from microbial biomass

INVENTOR(S): Fan, Weiyu; Bohlmann, John A.; Trinkle, James R.; Steinke, James D.; Hwang, Ki-Oh
; Henning, Joseph P.

PATENT ASSIGNEE(S): Cargill, Incorporated, USA

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001068714	A1	20010920	WO 2000-US20173	20000725
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2313836	A1	20010915	CA 2000-2313836	20000711
BR 2000003114	A	20011204	BR 2000-3114	20000724
EP 1272528	A1	20030108	EP 2000-953667	20000725
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 2002025945	A1	20020228	US 2000-739406	20001218
US 6972284	B2	20051206		
MX 2002PA09042	A	20030425	MX 2002-PA9042	20020913
US 2005245482	A1	20051103	US 2005-153801	20050615
PRIORITY APPLN. INFO.:			US 2000-189560P	P 20000315
			WO 2000-US20173	W 20000725
			US 2000-739406	A3 20001218

AB Highly deacetylated (>85%) chitosan is made by providing chitin-containing biomass (especially fungal biomass); reacting the chitin-containing biomass in a caustic solution of >25% alkali at >95° for ≥10 h to convert the chitin in the biomass to chitosan; and separating the chitosan from the caustic solution A pre-treating step may be used in which microbial biomass is heated in a less alkaline solution prior to reacting with more alkaline solution

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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